Section II - Soil and Site Information

Hydric Soil Interpretations For

Definition of Hydric Soil

A hydric soil is a soil that is saturated, flooded, or ponded long enough during the growing season to develop anaerobic conditions in the upper part. The following criteria reflect those soils that meet this definition.

Wetlands represent the collection of aquatic or semi aquatic habitats commonly referred to as marshes, swamps, and bogs. The U.S. Natural Resources Conservation Service, U.S. Fish and Wildlife Service, U.S. Army Corps of Engineers and the U.S. Environmental Protection Agency define wetlands by the presence of wetland vegetation (hydrophytes) and hydrology (degree of flooding and/or soil saturation) and by reference to wet soils (hydric soils). The prevalence of hydrophytes and the presence of wet soil reflect the long-term hydrology and therefore, are useful indicators of wetland. Some of the benefits of wetlands include, waterfowl breeding, habitat for waterfowl and other birds, flood control, water quality, shoreline stabilization and others.

If wetlands are identified as a critical resource, then a good first step would be to inventory the extent of hydric soils that were mapped in a soil survey.

It is important to remember that because of map scale very small areas of hydric soils are often not shown on the soil survey. The soil survey provides a general location of hydric soils; however, it is necessary that the exact wetland boundary be located in the field. When the boundary is not clear, consult with technical experts. The publications Hydric soils of New England and Federal Manual for Identifying and Delineating Jurisdictional Wetlands provide a more detailed discussion on hydric soils as well as on-site identification of wetland boundaries. Other sources of wetland information are the U.S. Fish and Wildlife Service, National Wetland Inventory Maps and the Maine Department of Environmental Protection Inland Wetland Maps.

Hydric Soil List

Hydric soils are developed under conditions sufficiently wet to support the growth and regeneration of hydrophytic vegetation. The listing available below includes phases of soil series that may or may not have been drained. Some soil series, designated as hydric, have phases that are not hydric depending on water table, flooding, and ponding characteristics.

The list will have a number of agricultural and nonagricultural applications. These include assistance in land-use planning, conservation planning, and assessment of potential wildlife habitat. An area that meets the hydric soil criteria must also meet the hydrophytic vegetation and wetland hydrology criteria in order for it to be classified as a jurisdictional wetland (See the "Corps of Engineers Wetlands Delineation Manual", 1987).

Hydric Soils List

Hancock County Area, Maine

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation.

Map Symbol and Map Unit Name	Component	Hydric	Local Landform	Hydric Soils Criteria			
				Hydric Criteria Code	Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
AdB: Adams loamy sand, 0 to 8 percent slopes	Adams	No	---	---	---	---	---
AdC: Adams loamy sand, 8 to 15 percent slopes	Adams	No	---	---	---	---	---
Bd: Biddeford muck	Biddeford	Yes	Marine Terrace	2B3,3	Yes	No	Yes
BfB: Brayton fine sandy loam, 0 to 8 percent slopes	Brayton	Yes	Ground Moraine	2B3	Yes	No	No
BgB: Brayton fine sandy loam, 0 to 8 percent slopes, very stony	Brayton	Yes	Ground Moraine	2B3	Yes	No	No
BhB: Brayton fine sandy loam, 0 to 8 percent slopes, rubbly	Brayton	Yes	Ground Moraine	2B3	Yes	No	No
BSB: Brayton-colonel association, gently sloping, very stony	Brayton	Yes	Ground Moraine	2B3	Yes	No	No
	Colonel	No	---	---	---	---	---
BTB: Brayton-colonel association, gently sloping, rubbly	Brayton	Yes	Ground Moraine	2B3	Yes	No	No
	Colonel	No	---	---	---	---	---
BwC: Buxton silt loam, 8 to 15 percent slopes	Buxton	No	---	---	---	---	---
BwD: Buxton silt loam, 15 to 30 percent slopes, eroded	Buxton	No	---	---	---	---	---
Ch: Charles silt loam	Charles	Yes	Flood Plain	2B3	Yes	No	No
CoB: Colton gravelly sandy loam, 0 to 8 percent slopes	Colton	No	---	---	---	---	---
CoC: Colton gravelly sandy loam, 8 to 15 percent slopes	Colton	No	---	---	---	---	---
CoE: Colton gravelly sandy loam, 15 to 45 percent slopes	Colton	No	---	---	---	---	---

Hydric Soils List - Continued

Hancock County Area, Maine

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Map Symbol and Map Unit Name	Component	Hydric	Local Landform	Hydric Soils Criteria			
				Hydric Criteria Code	Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
CRE: Colton-adams association, steep	Colton	No	---	---	---	---	---
	Adams	No	---	---	---	---	---
CSC: Colton-adams-sheepscot association, strongly sloping	Colton	No	---	---	---	---	---
	Adams	No	---	---	---	---	---
	Sheepscot	No	---	---	---	---	---
DaB: Dixfield fine sandy loam, 3 to 8 percent slopes	Dixfield	No	---	---	---	---	---
DaC: Dixfield fine sandy loam, 8 to 15 percent slopes	Dixfield	No	---	---	---	---	---
DbC: Dixfield fine sandy loam, 8 to 15 percent slopes, very	Dixfield	No	---	---	---	---	---
DsB: Dixfield-colonel complex, 3 to 8 percent slopes	Dixfield	No	---	---	---	---	---
	Colonel	No	---	---	---	---	---
DtB: Dixfield-colonel complex, 3 to 8 percent slopes, very stony	Dixfield	No	---	---	---	---	---
	Colonel	No	---	---	---	---	---
DWB: Dixfield-colonel-tunbridge complex, gently sloping, very stony	Dixfield	No	---	---	---	---	---
	Colonel	No	---	---	---	---	---
	Tunbridge	No	---	---	---	---	---
Go: Gouldsboro silt loam	Gouldsboro	Yes	Salt Marsh	2B3,3	Yes	No	Yes
Gt: Gouldsboro-beaches complex	Gouldsboro	Yes	Salt Marsh	2B3,3	Yes	No	Yes
	Beaches	Yes	Beach	4	No	Yes	No

Hydric Soils List - Continued

Hancock County Area, Maine

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Map Symbol and Map Unit Name	Component	Hydric	Local Landform	Hydric Soils Criteria			
				Hydric Criteria Code	Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
HcC: Hermon-colton-rock outcrop complex, 3 to 15 percent slopes, very stony	Hermon	No	---	---	---	---	---
	Colton	No	---	---	---	---	---
	Rock Outcrop	No	---	---	---	---	---
HmB: Hermon-monadnock complex, 3 to 8 percent slopes	Hermon	No	---	---	---	---	---
	Monadnock	No	---	---	---	---	---
HmC: Hermon-monadnock complex, 8 to 15 percent slopes	Hermon	No	---	---	---	---	---
	Monadnock	No	---	---	---	---	---
HtB: Hermon-monadnock complex, 3 to 8 percent slopes, very stony	Hermon	No	---	---	---	---	---
	Monadnock	No	---	---	---	---	---
HtC: Hermon-monadnock complex, 8 to 15 percent slopes, very stony	Hermon	No	---	---	---	---	---
	Monadnock	No	---	---	---	---	---
HtE: Hermon-monadnock complex, 15 to 45 percent slopes, very stony	Hermon	No	---	---	---	---	---
	Monadnock	No	---	---	---	---	---
HVC: Hermon-monadnock-dixfield complex, strongly sloping, very stony	Hermon	No	---	---	---	---	---
	Monadnock	No	---	---	---	---	---
	Dixfield	No	---	---	---	---	---
HVE: Hermon-monadnock-dixfield complex, very hilly, very stony	Hermon	No	---	---	---	---	---
	Monadnock	No	---	---	---	---	---

Hydric Soils List - Continued

Hancock County Area, Maine

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Map Symbol and Map Unit Name	Component	Hydric	Local Landform	Hydric Soils Criteria			
				Hydric Criteria Code	Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
HVE: Hermon-monadnock-dixfield complex, very hilly, very stony	Dixfield	No	---	---	---	---	---
Kn: Kinsman loamy sand	Kinsman	Yes	Swamp	2B2	Yes	No	No
KW: Kinsman-wonsqueak association	Kinsman	Yes	Swamp	2B2	Yes	No	No
	Wonsqueak	Yes	Swamp	1,3	No	No	Yes
LaB: Lamoine silt loam, 3 to 8 percent slopes	Lamoine	No	---	---	---	---	---
LbB: Lamoine-scantic complex, 0 to 8 percent slopes	Lamoine	No	---	---	---	---	---
	Scantic	Yes	Marine Terrace	2B3	Yes	No	No
LCB: Lamoine-scantic-buxton association, gently sloping	Lamoine	No	---	---	---	---	---
	Scantic	Yes	Marine Terrace	2B3	Yes	No	No
	Buxton	No	---	---	---	---	---
LgB: Lyman-brayton complex, 0 to 15 percent slopes, very	Lyman	No	---	---	---	---	---
	Brayton	Yes	Ground Moraine	2B3	Yes	No	No
LHC: Lyman-brayton-schoodic complex, rolling, very stony	Lyman	No	---	---	---	---	---
	Brayton	Yes	Ground Moraine	2B3	Yes	No	No
	Schoodic	No	---	---	---	---	---
LsE: Lyman-schoodic complex, 15 to 45 percent slopes, very stony	Lyman	No	---	---	---	---	---
	Schoodic	No	---	---	---	---	---
LTE: Lyman-schoodic-rock outcrop complex, very hilly, very stony	Lyman	No	---	---	---	---	---
	Schoodic	No	---	---	---	---	---

Hydric Soils List - Continued

Hancock County Area, Maine

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Map Symbol and Map Unit Name	Component	Hydric	Local Landform	Hydric Soils Criteria			
				Hydric Criteria Code	Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
LTE: Lyman-schoodic-rock outcrop complex, very hilly, very stony	Rock Outcrop	No	---	---	---	---	---
LuC: Lyman-tunbridge complex, 0 to 15 percent slopes, very stony	Lyman	No	---	---	---	---	---
	Tunbridge	No	---	---	---	---	---
LWC: Lyman-tunbridge-schoodic complex, rolling, very stony	Lyman	No	---	---	---	---	---
	Tunbridge	No	---	---	---	---	---
	Schoodic	No	---	---	---	---	---
MaC: Marlow fine sandy loam, 8 to 15 percent slopes	Marlow	No	---	---	---	---	---
MaD: Marlow fine sandy loam, 15 to 25 percent slopes	Marlow	No	---	---	---	---	---
MbC: Marlow fine sandy loam, 8 to 15 percent slopes, very	Marlow	No	---	---	---	---	---
MbE: Marlow fine sandy loam, 15 to 45 percent slopes, very stony	Marlow	No	---	---	---	---	---
McC: Marlow fine sandy loam, 3 to 15 percent slopes, extremely bouldery	Marlow	No	---	---	---	---	---
McE: Marlow fine sandy loam, 15 to 45 percent slopes, extremely bouldery	Marlow	No	---	---	---	---	---
MDC: Marlow-dixfield association, strongly sloping, very stony	Marlow	No	---	---	---	---	---
	Dixfield	No	---	---	---	---	---
MDE: Marlow-dixfield association, steep, very stony	Marlow	No	---	---	---	---	---
	Dixfield	No	---	---	---	---	---

Hydric Soils List - Continued

Hancock County Area, Maine

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Map Symbol and Map Unit Name	Component	Hydric	Local Landform	Hydric Soils Criteria			
				Hydric Criteria Code	Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
MGC: Marlow-dixfield association, strongly sloping, extremely bouldery	Marlow	No	---	---	---	---	---
	Dixfield	No	---	---	---	---	---
MGE: Marlow-dixfield association, steep, extremely bouldery	Marlow	No	---	---	---	---	---
	Dixfield	No	---	---	---	---	---
MhC: Monadnock-hermon complex, 3 to 15 percent slopes, extremely bouldery	Monadnock	No	---	---	---	---	---
	Hermon	No	---	---	---	---	---
MhE: Monadnock-hermon complex, 15 to 45 percent slopes, extremely bouldery	Monadnock	No	---	---	---	---	---
	Hermon	No	---	---	---	---	---
MXC: Monadnock-hermon-dixfield complex, rolling, extremely bouldery	Monadnock	No	---	---	---	---	---
	Hermon	No	---	---	---	---	---
	Dixfield	No	---	---	---	---	---
MXE: Monadnock-hermon-dixfield complex, very hilly, extremely bouldery	Monadnock	No	---	---	---	---	---
	Hermon	No	---	---	---	---	---
	Dixfield	No	---	---	---	---	---
NaB: Naskeag-schoodic complex, 0 to 8 percent slopes, very stony	Naskeag	Yes	Ground Moraine	2B2	Yes	No	No
	Schoodic	No	---	---	---	---	---
NBB: Naskeag-schoodic-lyman complex, undulating, very stony	Naskeag	Yes	Ground Moraine	2B2	Yes	No	No
	Schoodic	No	---	---	---	---	---

Hydric Soils List - Continued

Hancock County Area, Maine

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Map Symbol and Map Unit Name	Component	Hydric	Local Landform	Hydric Soils Criteria			
				Hydric Criteria Code	Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
NBB: Naskeag-schoodic-lyman complex, undulating, very stony	Lyman	No	---	---	---	---	---
NcB: Nicholville very fine sandy loam, 3 to 8 percent slopes	Nicholville	No	---	---	---	---	---
NcC: Nicholville very fine sandy loam, 8 to 15 percent slopes	Nicholville	No	---	---	---	---	---
Ps: Pits, gravel and sand	Pits	No	---	---	---	---	---
Sa: Scantic silt loam	Scantic	Yes	Marine Terrace	2B3	Yes	No	No
SB: Scantic-biddeford	Scantic	Yes	Marine Terrace	2B3	Yes	No	No
	Biddeford	Yes	Marine Terrace	2B3,3	Yes	No	Yes
SdB: Scantic-lamoine complex, 0 to 8 percent slopes, very stony	Scantic	Yes	Marine Terrace	2B3	Yes	No	No
	Lamoine	No	---	---	---	---	---
SEB: Scantic-lamoine-dixfield complex, gently sloping, very stony	Scantic	Yes	Marine Terrace	2B3	Yes	No	No
	Lamoine	No	---	---	---	---	---
	Dixfield	No	---	---	---	---	---
SfC: Schoodic-rock outcrop complex, 0 to 15 percent slopes	Schoodic	No	---	---	---	---	---
	Rock Outcrop	No	---	---	---	---	---
SfE: Schoodic-rock outcrop complex, 15 to 65 percent slopes	Schoodic	No	---	---	---	---	---
	Rock Outcrop	No	---	---	---	---	---
SGE: Schoodic-rock outcrop-lyman complex,	Schoodic	No	---	---	---	---	---
	Rock Outcrop	No	---	---	---	---	---

Hydric Soils List - Continued

Hancock County Area, Maine

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Map Symbol and Map Unit Name	Component	Hydric	Local Landform	Hydric Soils Criteria			
				Hydric Criteria Code	Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
SGE: Schoodic-rock outcrop-lyman complex,	Lyman	No	---	---	---	---	---
SKC: Schoodic-rock outcrop-naskeag complex,	Schoodic	No	---	---	---	---	---
	Rock Outcrop	No	---	---	---	---	---
	Naskeag	Yes	Ground Moraine	2B2	Yes	No	No
SmB: Sheepscot sandy loam, 0 to 8 percent slopes	Sheepscot	No	---	---	---	---	---
SoB: Sheepscot sandy loam, 3 to 8 percent slopes, very	Sheepscot	No	---	---	---	---	---
SoC: Sheepscot sandy loam, 8 to 15 percent slopes, very	Sheepscot	No	---	---	---	---	---
SrB: Sheepscot-rock outcrop complex, 0 to 8 percent slopes	Sheepscot	No	---	---	---	---	---
	Rock Outcrop	No	---	---	---	---	---
ThC: Thorndike-winnecook complex, 0 to 15 percent slopes, very stony	Thorndike	No	---	---	---	---	---
	Winnecook	No	---	---	---	---	---
TuB: Tunbridge-lyman complex, 3 to 8 percent slopes	Tunbridge	No	---	---	---	---	---
	Lyman	No	---	---	---	---	---
TuC: Tunbridge-lyman complex, 8 to 15 percent slopes	Tunbridge	No	---	---	---	---	---
	Lyman	No	---	---	---	---	---
TWC: Tunbridge-lyman-marlow complex, strongly sloping	Tunbridge	No	---	---	---	---	---
	Lyman	No	---	---	---	---	---
	Marlow	No	---	---	---	---	---

Hydric Soils List - Continued

Hancock County Area, Maine

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				Hydric Criteria Code	Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
Ud: Udorthents-urban land complex	Udorthents	No	---	---	---	---	---
	Urban Land	No	---	---	---	---	---
W: Water bodies	Water Bodies	Yes	Lake	---	---	---	---
WA: Waskish and sebago soils	Waskish	Yes	Raised Bog	1	No	No	No
	Sebago	Yes	Swamp	1,3	No	No	Yes
WkC: Winnecook-thorndike complex, 3 to 12 percent slopes	Winnecook	No	---	---	---	---	---
	Thorndike	No	---	---	---	---	---
Wo: Wonsqueak muck, flooded	Wonsqueak	Yes	Swamp	1,3,4	No	Yes	Yes
Ws: Wonsqueak and bucksport mucks	Wonsqueak	Yes	Swamp	1,3	No	No	Yes
	Bucksport	Yes	Swamp	1,3	No	No	Yes
WT: Wonsqueak, bucksport and sebago soils	Wonsqueak	Yes	Swamp	1,3	No	No	Yes
	Bucksport	Yes	Swamp	1,3	No	No	Yes
	Sebago	Yes	Swamp	1,3	No	No	Yes